Request to Archive
With The National Centers for Environmental Information
For Southern California Coastal Ocean Observing System (SCCOOS) shore stations
Provided by SCCOOS

2016-07-18

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

Darren Wright

undefined

8588225739

darren@cdip.ucsd.edu

2. Name the organization or group responsible for creating the dataset.

IOOS > Integrated Ocean Observing System, NOAA, U.S. Department of Commerce, Southern California Coastal Ocean Observing System

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

SCCOOS is one of 11 Regional Associations established nationwide through the NOAA Integrated Ocean Observing System (IOOS). IOOS coordinates the multi-agency, cooperative effort to routinely collect realtime data and manage historical information based on a continuously operating network of buoys, ships, satellites, underwater vehicles, and other platforms. These data are needed for many purposes which include rapid detection and prediction of changes in our nation's ocean and coastal waters.

To collect realtime data and manage historical information based on a continuously operating network of buoys. These are netCDF format in-situ station data collected in conjunction with SCCOOS.

EARTH SCIENCE, OCEANS, SALINITY/DENSITY, SALINITY, OCEAN CHEMISTRY, CHLOROPHYLL, OCEAN TEMPERATURE, WATER TEMPERATURE, OCEAN PRESSURE, WATER PRESSURE

Automated shore stations consist of a suite of sensors that are attached to piers at several locations along the California coast. These automated sensors measure temperature, salinity, chlorophyll, turbidity and water level at frequent intervals in the nearshore coastal ocean. This data can provide local and regional information on mixing and upwelling, land run-off, and algal blooms.

Institute of the Environment at the University of California, Los Angeles

Marine Science Institute at University of California, Santa Barbara

Southern California Coastal Ocean Observing System (SCCOOS) at Scripps Institution of Oceanography (SIO)

University of California, Irvine

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2005-01-01

Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:
N/A

6. Approximate date when the dataset was or will be released to the public:
2016-03-01

7. Who are the expected users of the archived data? How will the archived data be used?
Oceanographers. Integrated Ocean Observing System affiliates.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?
No

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?
N/A

10. List the input datasets and ancillary information used to produce the data.
The automated shore station instrument package includes a Seabird SBE 16plus SeaCAT Conductivity, Temperature, and Pressure recorder, and a WetLabs WetSTAR Chlorophyll Fluorometer with a 0-75 ug/L range. Data are captured using a serial-to-Ethernet server which transmits the data to SCCOOS server for processing, dissemination and archival. A daemon on the SCCOOS server listens on a specified port for incoming serial data. Raw serial data are time stamped and written to daily ASCII files. Every 2 minutes a process checks for new data in the daily ASCII file and appends to yearly NetCDF file with QARTOD quality control applied and flagged.

11. List web pages and other links that provide information on the data.
http://sccoos.org/
http://sccoos.org/data/autoss/

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.
1. CF compliance, and ACDD conventions.

13. Indicate the data file format(s).
1. netCDF-3
2. NCEI netCDF Templates V2.0 timeSeries

14. Are the data files compressed?
No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).
station_name-YYYY.nc in yearly files

station_name = name of the station where the data was collected

YYYY = the four digit year for the data in that file (2010 would be all the data for 2010)

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

SCCOOS will post the manifest file, which will point to the individual data files, at http://sccoos.org/dr/metadata/ncei/autoss_archive_manifest_sha256.txt. Data files will be found at urls similar to http://sccoos.org/thredds/fileServer/autoss/newport_pier-2005.nc

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 186MB
Number of Data Files: 44

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 20MB per Year
Data File Frequency: 4 per Year
Data Production Start: 2005-01-01

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

The packages will be established as follows:

New, never-before seen data files will be archived based on which buoy they are: each buoy will be assigned an accession number.

New, data from a previously submitted buoy: The AIP for that buoy will be updated (NCEI's major-revision) with the new data file.

Revised, data that was previously submitted that needs to be updated: If the naming conventions match and the checksums do not match, then the most recent submission of that file will be assumed to be the latest and greatest submission and will replace the previous file.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: La Jolla, CA
System Name: neocoweb.ucsd.edu (sccoos.org)
System Owner: SCCOOS
Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL

Data Provider will FTP push to their own FTP server for us to FTP Pull from.

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Direct download links
2. Advanced web services (e.g., THREDDS Catalog Service)

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

Data Set fits within NOAA's mission. OSTP: Increasing Access to the Results of Federally Funded Scientific Research.

24. Are the data archived at another facility or are there plans to do so? Please explain.

No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

We've been in contact with Mathew Biddle at NCEI.

26. Do you have a data management plan for your data?

No

27. Have funds been allocated to archive the data at NCEI?

Through the Integrated Ocean Observing System Data Discover, Access, and Archiving Project.

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

Institute of the Environment at the University of California, Los Angeles
Marine Science Institute at University of California, Santa Barbara
Southern California Coastal Ocean Observing System (SCCOOS) at Scripps Institution of Oceanography (SIO)
University of California, Irvine

29. Is there a desired deadline for NCEI to archive and provide access to the data?

No deadlines for archive or access.

30. Add any other pertinent information for this request.

Please allow Mathew Biddle to attend the review meeting.